

Figure 1A

900 800 700 600 500 400 300 200 100 0

>1730294	GACGCCAGT GACCTGCCGA GGTCGGCAGC ACAGAGCTCT GGAGATGAAG
>1730294IH	GACGCCAGT GACCTGCCGA GGTCGGCAGC ACAGAGCTCT GGAGATGAAG
Consensus	GACGCCAGT GACCTGCCGA GGTCGGCAGC ACAGAGCTCT GGAGATGAAG
>1730294	ACCCCTGTTCC TGGGTGTCAC GCTCGGCCTG GCCGCTGCC TGTCCTTCAC
>1730294IH	ACCCCTGTTCC TGGGTGTCAC GCTCGGCCTG GCCGCTGCC TGTCCTTCAC
Consensus	ACCCCTGTTCC TGGGTGTCAC GCTCGGCCTG GCCGCTGCC TGTCCTTCAC
>1730294	CCTGGAGGAG GAGGATATCA CAGGGACCTG GTACGTGAAG GCCATGGTGG
>1730294IH	CCTGGAGGAG GAGGATATCA CAGGGACCTG GTACGTGAAG GCCATGGTGG
>1213903	GGATATCA CAGGGACCTG GTACGTGAAG GCCATGGTGG
Consensus	CCTGGAGGAG GAGGATATCA CAGGGACCTG GTACGTGAAG GCCATGGTGG
>1730294	TCGATAAGGA CTTTCCGGAG GACAGGAGGC CCAGGAAGGT GTCCCCAGTG
>1730294IH	TCGATAAGGA CTTTCCGGAG GACAGGAGGC CCAGGAAGGT GTCCCCAGTG
>1213903	TCGATAAGGA CTTTCCGGAG GACAGGAGGC CCAGGAAGGT GTCCCCAGTG
Consensus	TCGATAAGGA CTTTCCGGAG GACAGGAGGC CCAGGAAGGT GTCCCCAGTG
>1730294	AAGGTGACAG CCCTGGGCGG TGGGAAGTTG GAAGCC
>1730294IH	AAGGTGACAG CCCTGGGCGG TGGGAAGTTG GAAGCCACGT TCACCTTCAT
>1213903	AAGGTGACAG CCCTGGGCGG TGGGAAGTTG GAAGCCACGT TCACCTTCAT
Consensus	AAGGTGACAG CCCTGGGCGG TGGGAAGTTG GAAGCCACGT TCACCTTCAT
>1730294IH	GAGGGAGGAT CGGTGCATCC AGAAGAAAAT CCTGATGCAGG AAGACGGAGG
>1213903	GAGGGAGGAT CGGTGCATCC AGAAGAAAAT CCTGATGCAGG AAGACGGAGG
Consensus	GAGGGAGGAT CGGTGCATCC AGAAGAAAAT CCTGATGCAGG AAGACGGAGG
>1730294IH	AGCCTGGCAA ATACAGCGCC TATGGGGCA GGAAGCTCAT GTACCTGCAG
>1213903	AGCCTGGCAA ATACAGCGCC TATGGGGCA GGAAGCTCAT GTACCTGCAG
Consensus	AGCCTGGCAA ATACAGCGCC TATGGGGCA GGAAGCTCAT GTACCTGCAG
>1730294IH	GAGCTGCCA GGAGGGACCA CTACATCTT TACTGCAAAG ACCAGCACCA
>1213903	GAGCTGCCA GGAGGGACCA CTACATCTT TACTGCAAAG ACCAGCACCA
<g2185139	CTGCCA GGAGGGACCA CTACATCTT TACTGCAAAG ACCAGCACCA
Consensus	GAGCTGCCA GGAGGGACCA CTACATCTT TACTGCAAAG ACCAGCACCA
>1730294IH	TGGGGCCTG CTCCACATGG GAAAGCTTGT GGGTAGGAAT TCTGATACCA
<g2185139	TGGGGCCTG CTCCACATGG GAAAGCTTGT GGGTAGGAAT TCTGATACCA
Consensus	TGGGGCCTG CTCCACATGG GAAAGCTTGT GGGTAGGAAT TCTGATACCA
>1730294IH	ACCGGGAGGC CCTGGAAGAA TTTAAGAAAT TGGTGCAGCG CAAGGGACTC
<g2185139	ACCGGGAGGC CCTGGAAGAA TTTAAGAAAT TGGTGCAGCG CAAGGGACTC
Consensus	ACCGGGAGGC CCTGGAAGAA TTTAAGAAAT TGGTGCAGCG CAAGGGACTC
>1730294IH	TCGGAGGAGG ACATTTTCAC GCCCCTGCAG ACGGGAAGCT GCGTTCCCGA
<g2185139	TCGGAGGAGG ACATTTTCAC GCCCCTGCAG ACGGGAAGCT GCGTTCCCGA
Consensus	TCGGAGGAGG ACATTTTCAC GCCCCTGCAG ACGGGAAGCT GCGTTCCCGA

Figure 1B

>1730294IH	ACACTAGGCA GCCCCGGGT CTGCACCTCC AGAGCCCACC CTACCACCA
<g2185139	ACACTAGGCA GCCCCGGGT CTGCACCTCC AGAGCCCACC CTACCACCA
Consensus	ACACTAGGCA GCCCCGGGT CTGCACCTCC AGAGCCCACC CTACCACCA
>1730294IH	ACACAGAGCC CGGACCACCT GGACCTACCC TCCAGCCATG ACCCTTCCCT
<g2185139	ACACAGAGCC CGGACCACCT GGACCTACCC TCCAGCCATG ACCCTTCCCT
Consensus	ACACAGAGCC CGGACCACCT GGACCTACCC TCCAGCCATG ACCCTTCCCT
>1730294IH	GCTCCCACCC ACCTGACTCC AAATAAAGTC CTTCTCCCC CA
<g2185139	GCTCCCACCC ACCTGACTCC AAATAAAGTC CTTCTCCCC
Consensus	GCTCCCACCC ACCTGACTCC AAATAAAGTC CTTCTCCCC CA

Figure 2

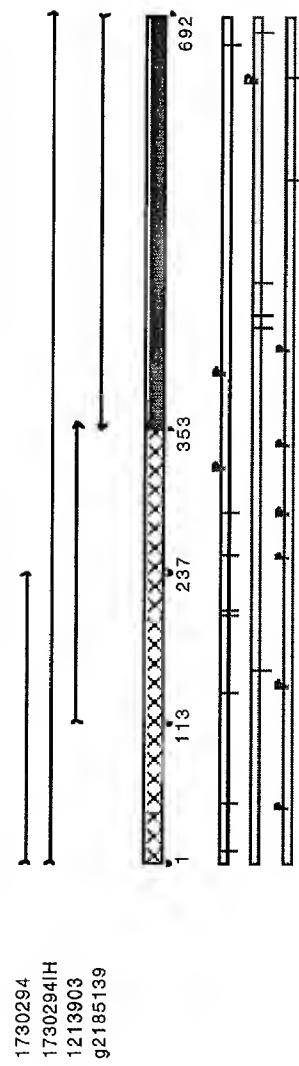
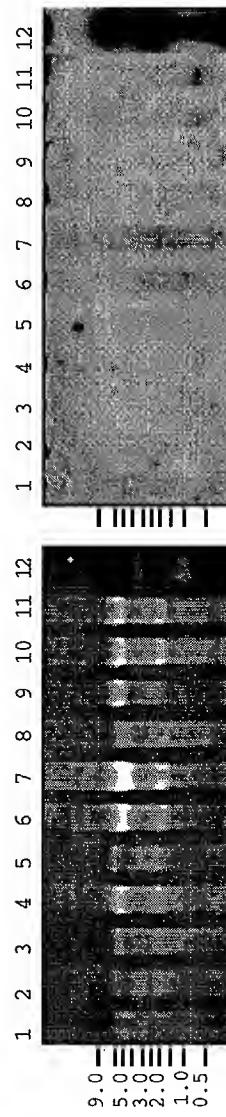


Figure 3A



Lane	Tissue	Lane	Tissue
1	Normal Bladder	7	Normal Ovary
2	Normal Breast	8	Normal Prostate
3	Normal Colon	9	Normal Spleen
4	Normal Kidney	10	Normal Testis
5	Normal Liver	11	Normal Uterus
6	Normal Lung	12	BS124 Bacterial RNA

Figure 3B



Lane	Tissue	Lane	Tissue
1	Normal Breast	7	Breast Cancer
2	Normal Breast	8	Breast Cancer
3	Normal Breast	9	Breast Cancer
4	Normal Breast	10	Breast Cancer
5	Normal Breast	11	Breast Cancer
6	Breast Cancer	12	BS124 Bacterial RNA

Figure 4A

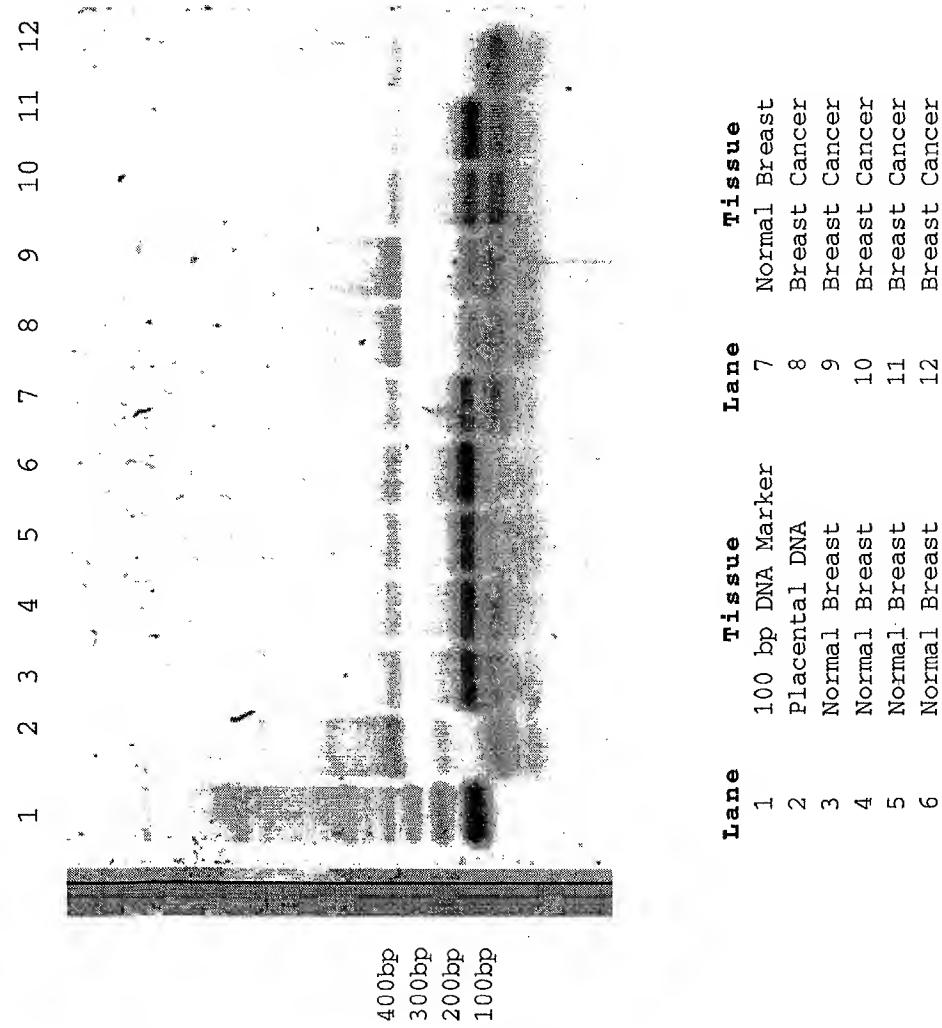
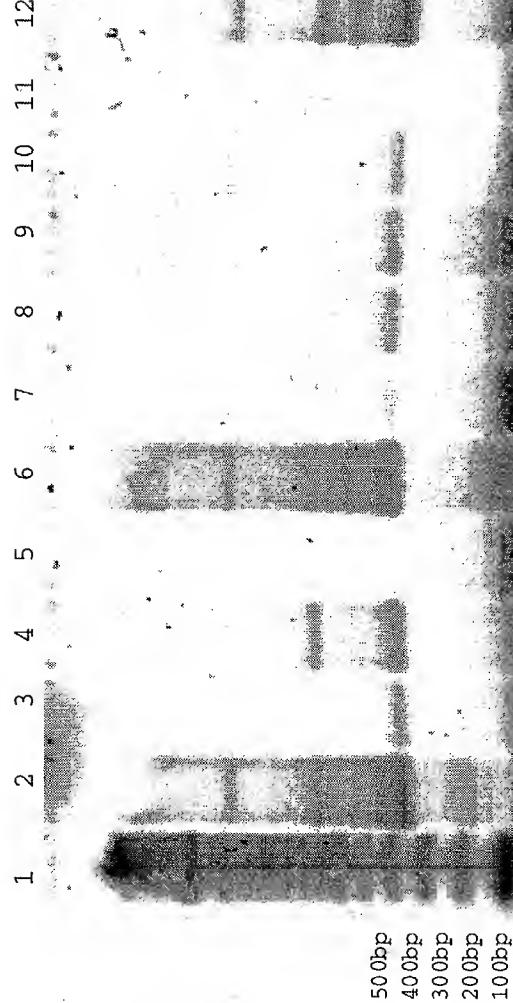
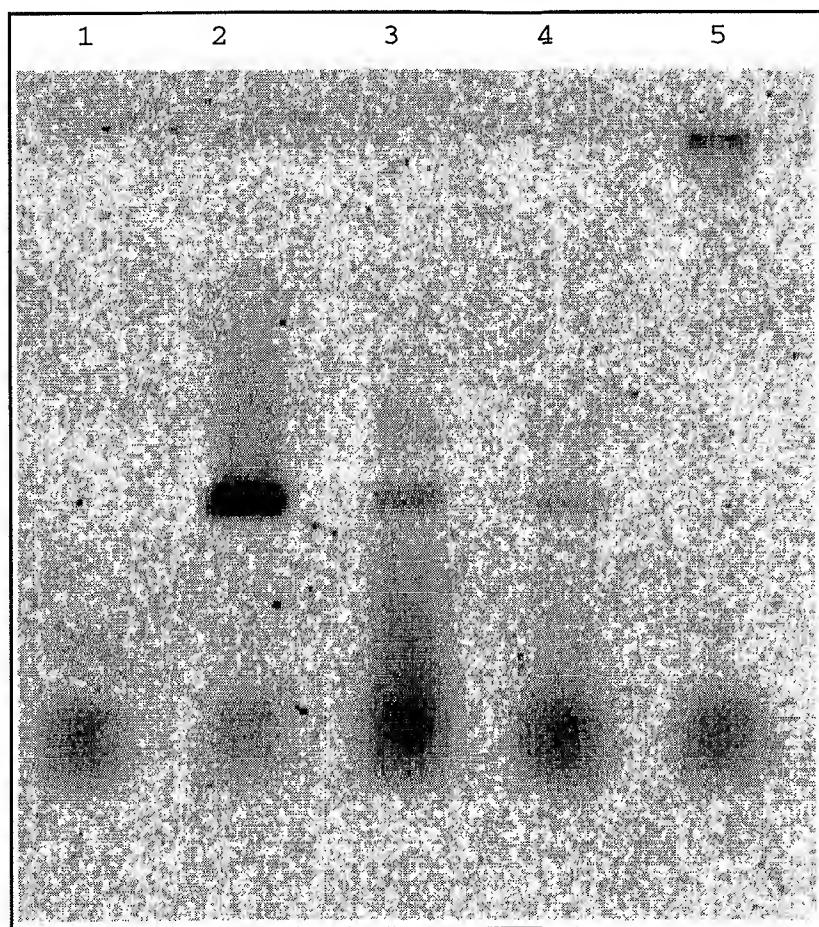


Figure 4B



Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	7	Lung Cancer
2	Placental DNA	8	Normal Colon
3	Normal Lung	9	Colon Cancer
4	Normal Lung	10	Colon Cancer
5	Lung Cancer	11	Normal Colon
6	Normal Lung	12	Colon Cancer

Figure 5A



Lane	Sample
1	Water, reagent control
2	Transcript RNA
3	T47D RNA (neat)
4	T47D RNA (diluted 1:10)
5	Human Placenta DNA

Figure 5B

LCx® Results in counts/sec/sec

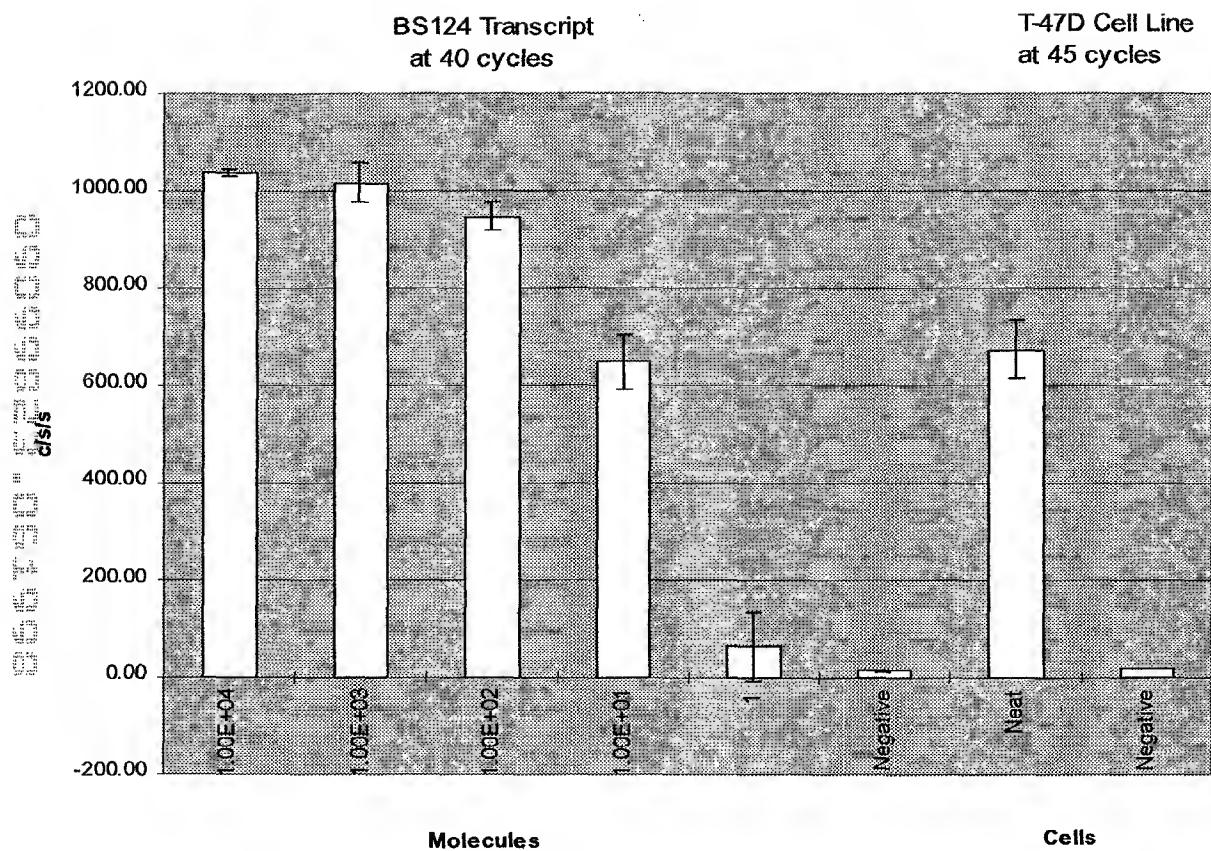
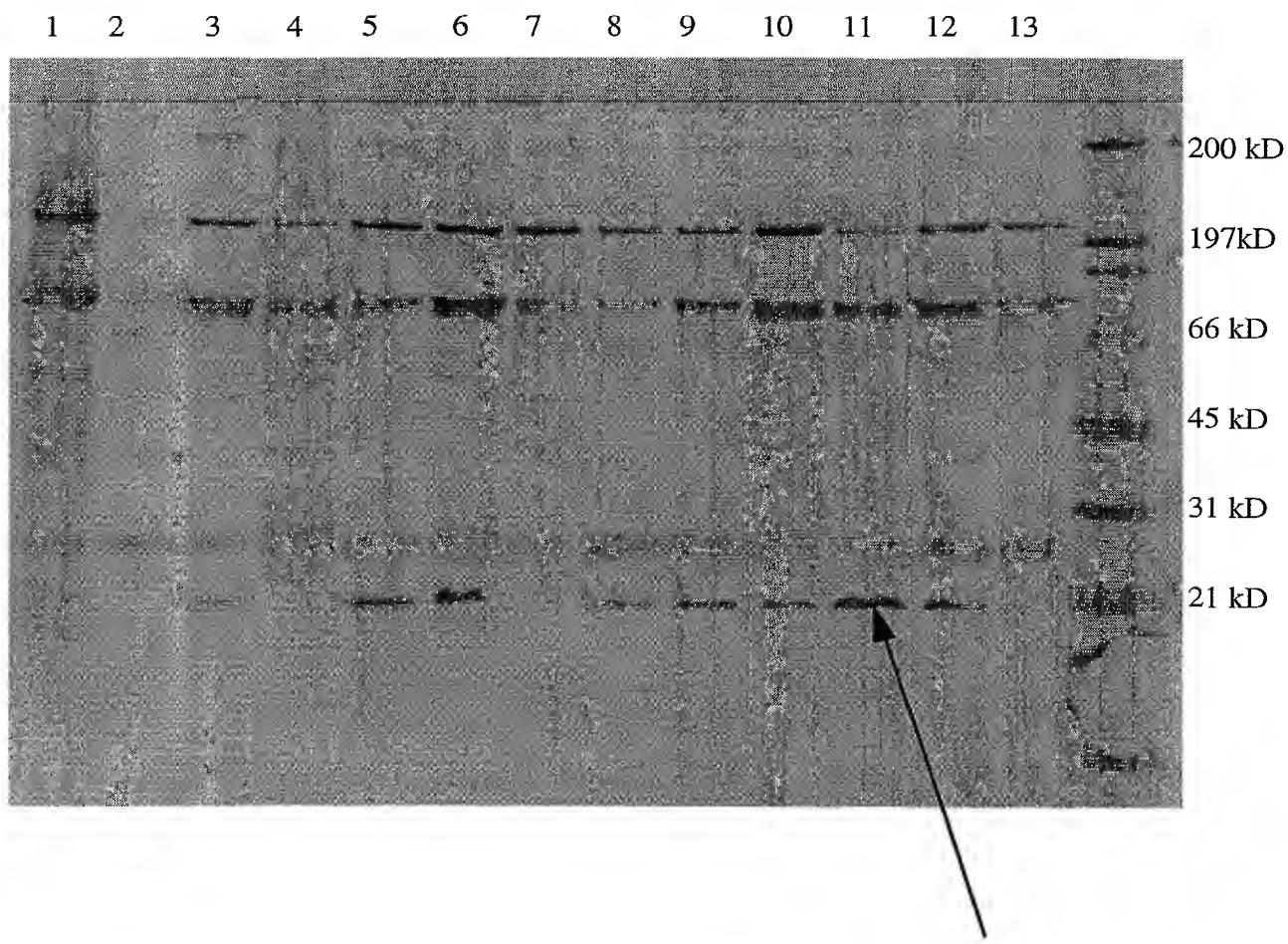
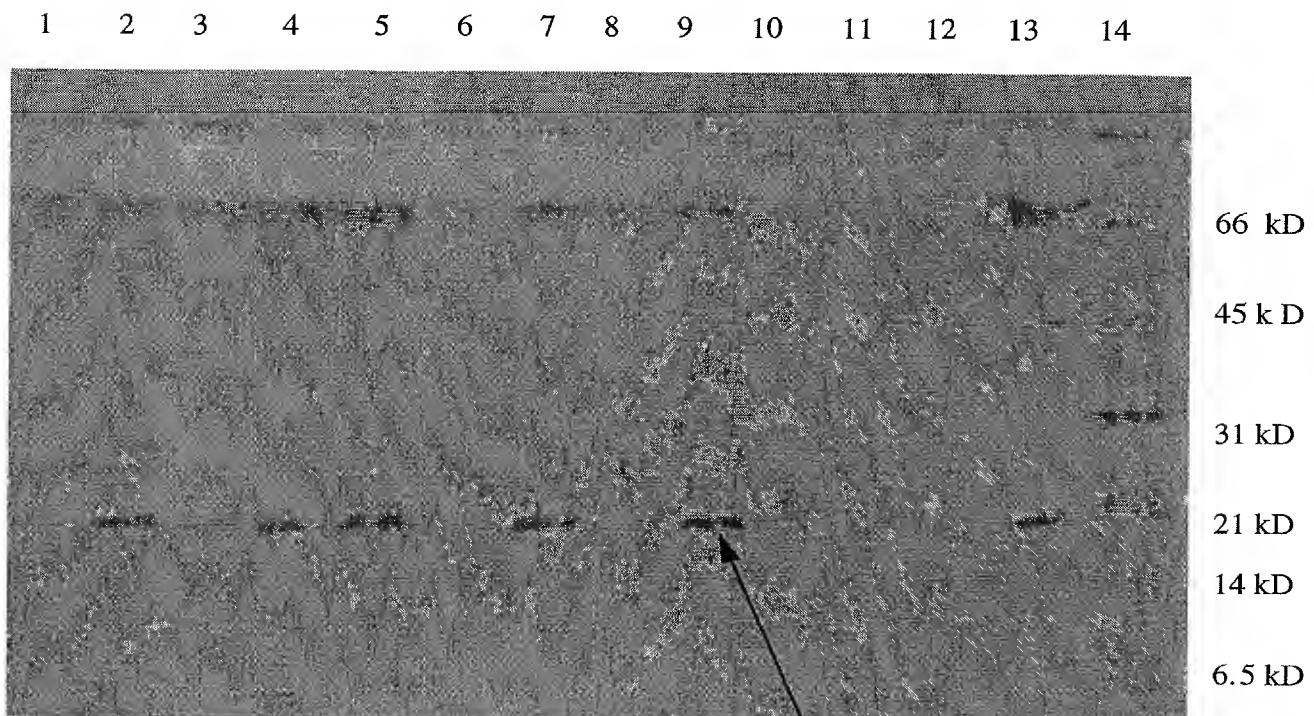


Figure 6A



Lane	Tissue	Lane	Tissue
1	Normal Kidney	8	Breast Cancer
2	Normal Bladder	9	Breast Cancer
3	Colon Cancer	10	Breast Cancer
4	Normal Lung	11	Breast Cancer
5	Breast Cancer	12	Breast Cancer
6	Breast Cancer	13	Breast Cancer
7	Breast Cancer	14	Markers

Figure 6B



Lane	Tissue	Lane	Tissue
1	BPH	8	Normal Bladder
2	Prostate Cancer	9	Bladder Cancer
3	Lung Cancer	10	Normal Breast
4	Normal Colon	11	Normal Breast
5	Colon Cancer	12	Normal Breast
6	Normal Bladder	13	Breast Cancer
7	Bladder Cancer	14	Markers